ABSTRACT OF THE DISCLOSURE

METHOD AND APPARATUS FOR DYNAMIC MODIFICATION OF
5   ## COMMAND WEIGHTS IN A NATURAL LANGUAGE UNDERSTANDING
SYSTEM

A method and system for dynamically assigning weights to the subset of commands in a natural language dialog system based on prior context of the user's

10   interaction with the system. The search space of the translation process may be reduced when some context information is available. A user presents input to the natural language understanding system. The system translates the user input into a formal command and calculates a weight value for a next set of formal commands based on the formal command. The command weights may then be dynamically boosted for the next

15   set of formal commands before executing the formal command. The exemplary aspects of the present invention reduce the time needed to complete a task since the search space of the translation process may be reduced if context information is available and improve the accuracy of the process by using knowledge that users regularly use repeating patterns for repeating tasks.